



***FUTURE***  
of Jobs , Skills and  
Education



# *A Near Future Possibility*



# *Why is skilling important for India?*

## **JOBS AT RISK:**



TELEMARKETERS



ACCOUNTANTS



RETAIL SALESPERSONS



TECHNICAL WRITERS

***Size of the workforce: 487 mn***

***No. of people joining the workforce every year: 16.16 mn***

***Percentage of skilled population: 4.69%***

***Skilled workforce requirement by 2022: 110 mn***



# Drivers of change and possibilities

## DRIVERS



AUTOMATION



CLOUD COMPUTING



BIG DATA



DEMOGRAPHIC  
CHANGES



GREEN ECONOMY



MIGRATION

## CARE ECONOMY

**25%**  
of EU population above 65  
years of age in 2030



**30%**  
of Japanese above 65 years  
of age in 2030

## POSSIBILITIES BY 2030

**\$957 BILLION TO GDP BY AI**

**1.4% GROWTH THROUGH  
AUTOMATION**

**\$79 MILLION 3-D PRINTING  
MARKET**

**\$15 BILLION IOT MARKET**

**2.8 MILLION NEW JOBS VIA  
GREEN ECONOMY**

# Smart Villages Programme

(100 Smart Technology Driven Villages by 2024)

## FEATURES



AI



5G CONNECTIVITY



3D PRINTED HOUSES



COMPLETELY DIGITISED  
TRANSACTIONS

Education  
(Smart Classes)

Health  
(telemedicine,  
virtual  
weighing  
machine)

Agriculture and  
allied activities  
(pest  
management  
through  
drones, vertical  
farming)

**Mentorship:** (IITs/ IISERs/ IISc) - Adopt 1 GP (~5 villages) each

**Funding:** Central and State Governments

**Implementation:** CEO Smart Village under MoRD

**Potential handholding:** Philanthropists, Technology giants  
(Google, Tesla, etc.) , CSR



# *Future Skilling Pyramid*

***Adaptability  
Quotient***

***Emotional  
Quotient***

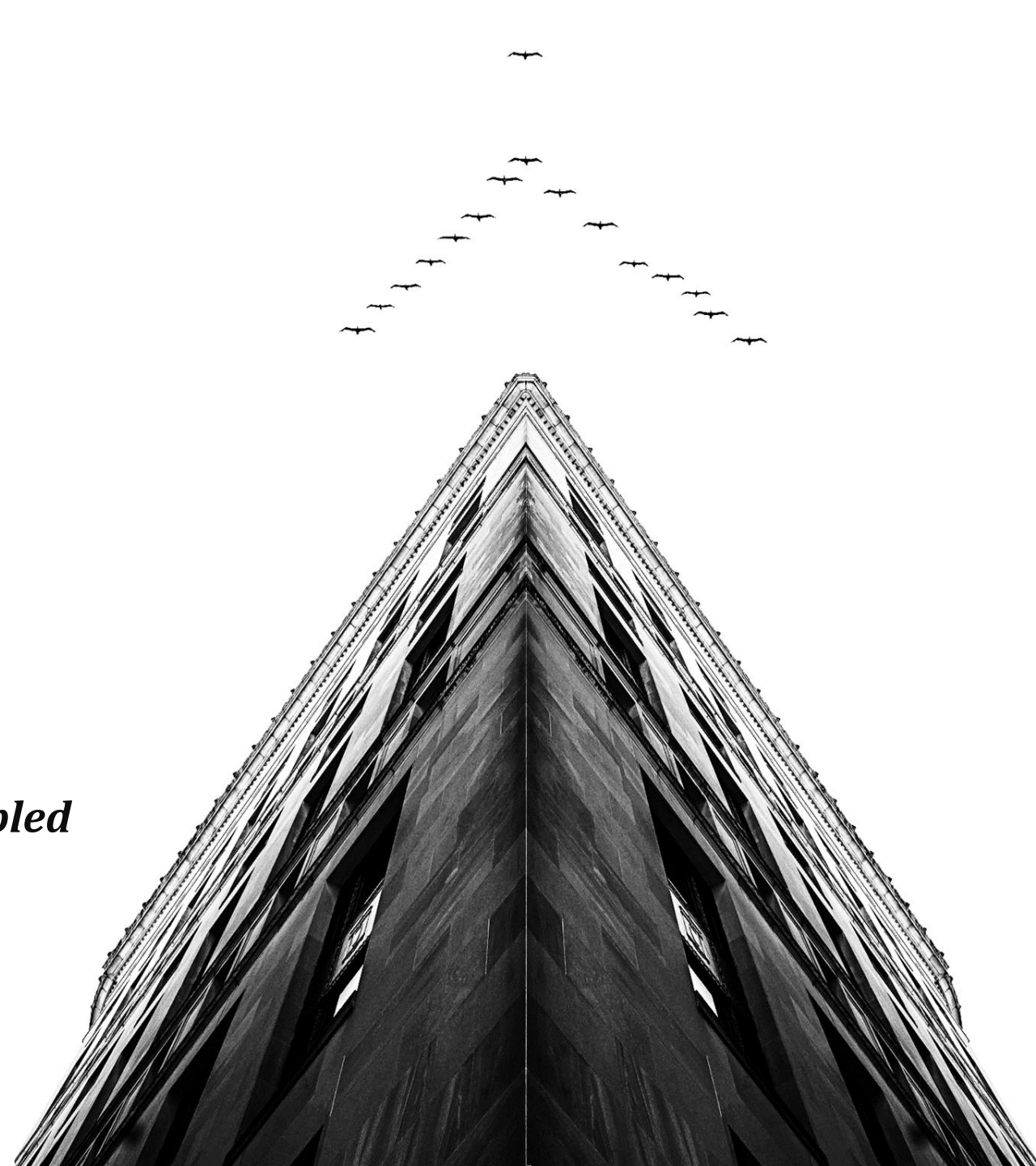
***Intelligence  
Quotient***

- **Analytical Thinking**
- **Creativity and Innovation**
- **Complex problem solving**
- **Leadership and soft skills**

# ***Skill Guarantee Programme***

***(Minimum 100 days skilling per year)***

- ***Skill of beneficiary's choice***
- ***Convergence with MGNREGA and NSQF***
- ***Implementation:***
  - ***Open source modules (theory)***
  - ***Industry-led: Externalize private infrastructure (hands-on)***
- ***Focus on women, marginalized, Specially-abled***
- ***Certification***
- ***Assured allowance***



# *Future Centric Education Framework*

## *Entrepreneurial Spirit*

- Compulsory entrepreneurial module (6-8 std)
- Optional credit courses (9th - 10th std)
- Entrance Examination after 10<sup>th</sup>
- Bachelors of Entrepreneurship (2+3 model); 5 Academy – Industry hubs
- Entrepreneurship Cell Support

## *Bharat ki Nai Talim*

- Compulsory vocational module (6th-8th std)
- Optional credit vocational courses (9th-10th std)
- Certified/Diploma courses (2 years)

## *Future Ready Teachers*

- School cum teacher training complexes
- 2 days/week teaching for B.Ed. Students
- Adept at technology use